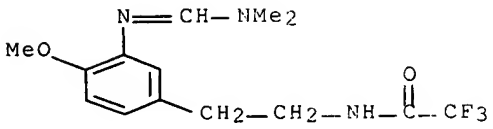
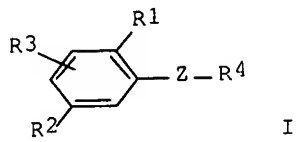


L56 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:207567 CAPLUS Full-text
DOCUMENT NUMBER: 118:207567
TITLE: Preparation of phenylthioureas as insecticides and acaricides.
INVENTOR(S): Sugizaki, Hiroyasu; Kawada, Shuji; Hotta, Hiroki; Mikage, Tomoji; Kodama, Seiichiro; Konishi, Kenji
PATENT ASSIGNEE(S): Nippon Kayaku Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04279562	A	19921005	JP 1991-65346	19910307
PRIORITY APPLN. INFO.:			JP 1991-65346	19910307

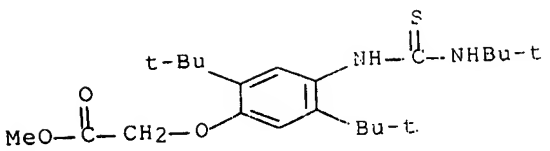
OTHER SOURCE(S): MARPAT 118:207567
ED Entered STN: 29 May 1993
GI



I

AB Insecticides and acaricides contain phenylthioureas I [R1, R2 = lower alkyl, C3-6 cycloalkyl, lower alkoxy, lower alkylthio, lower alkylsulfenyl, lower alkoxycarbonyl; R3 = H, lower alkyl, (halo- or alkoxycarbonyl-substituted) lower alkoxy; R4 = lower alkyl, cycloalkyl; Z = NHCSNH, N:C(SR5)NH; R5 = lower alkyl, allyl] as active ingredients. 2,5-Di-tert-butylphenyl isothiocyanate was treated with tert-butylamine in toluene at 50° for 5 h to give 84.5% N-(2,5-di-tert-butylphenyl)-N'- tert-butylthiourea (II). Cabbage leaves treated with 200 ppm II were lethal to Plutella maculipennis larvae.

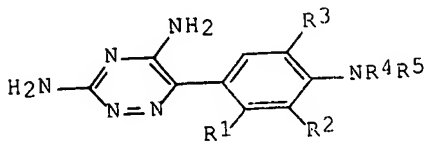
IT **147345-68-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as insecticide and acaricide)
RN 147345-68-4 CAPLUS
CN Acetic acid, [2,5-bis(1,1-dimethylethyl)-4-[[[(1,1-dimethylethyl)amino]thioxomethyl]amino]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



L56 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1992:126970 CAPLUS Full-text
DOCUMENT NUMBER: 116:128970
TITLE: Preparation of 6-aminophenyl-3,5-diamino-1,2,4-triazines as neuroprotective agents
INVENTOR(S): Leach, Michael John; Nobbs, Malcolm Stuart
PATENT ASSIGNEE(S): Wellcome Foundation Ltd., UK
SOURCE: Eur. Pat. Appl., 12 pp.
CODEN: EPXYDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 459829	A1	19911204	EP 1991-304962	19910531
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ZA 9104158	A	19930301	ZA 1991-4158	19910530
CA 2043642	A1	19911202	CA 1991-2043642	19910531
FI 9102622	A	19911202	FI 1991-2622	19910531
AU 9178099	A	19911205	AU 1991-78099	19910531
AU 630811	B2	19921105		
HU 60726	A2	19921028	HU 1991-1827	19910531
JP 06025193	A	19940201	JP 1991-235335	19910531
			GB 1990-12312 A	19900601

PRIORITY APPLN. INFO.:
OTHER SOURCE(S): MARPAT 116:128970
ED Entered STN: 03 Apr 1992
GI

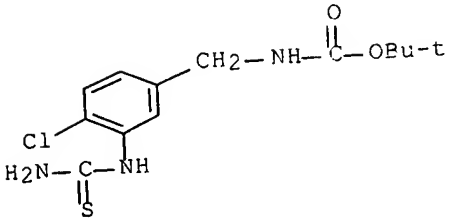


I

AB Title compds. (I; 1 of R1-R3 = Cl and the others = H or Cl; R4, R5 = H, alkyl) were prepared Thus, 2,5,3-Cl2(H2N)C6H2CO2H was converted in 3 steps to 2,3,5-Cl3C6H2COCN which was cyclocondensed with H2NC(:NH)NHNH2 and the product nitrated to give, after reduction, I (R1-R3 = Cl, R4 = R5 = H). The latter had IC50 of <10 μM against glutamate release from rat brain slices.

IT 139400-99-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of neuroprotectants)

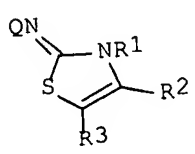
1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



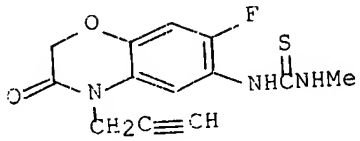
L56 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:150232 CAPLUS Full-text
DOCUMENT NUMBER: 124:202283
TITLE: Preparation of iminothiazoline herbicides
INVENTOR(S): Takano, Minoru; Enomoto, Masayuki; Saito, Kazuo; Kizawa, Satoru
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 56 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 683160	A1	19951122	EP 1995-104917	19950403
R: CH, DE, FR, GB, LI				
JP 07324079	A	19951212	JP 1995-57762	19950316
CN 1113242	A	19951213	CN 1995-114854	19950403
US 5521145	A	19960528	US 1995-415569	19950403
BR 9501434	A	19951107	BR 1995-1434	19950404
			JP 1994-65959 A	19940404

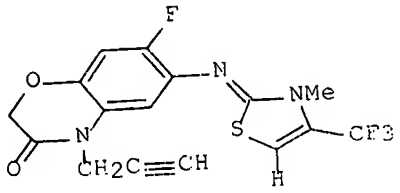
PRIORITY APPLN. INFO.:
OTHER SOURCE(S): MARPAT 124:202283
ED Entered STN: 15 Mar 1996
GI



I



II

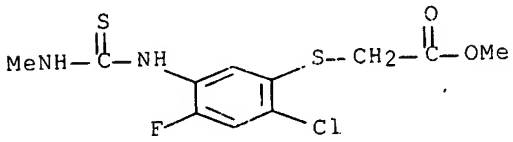


III

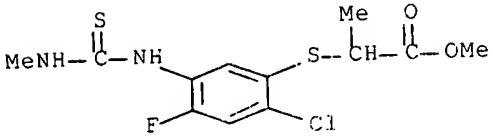
AB The title compds. [I; Q = (un)substituted Ph, (un)substituted benzo-fused (un)substituted 5-6-member heterocyclyl; R1 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl; R2 = (halo)alkyl, (un)substituted aryl, formyl, cyano; R3 = hydrogen, (halo)alkyl], useful as selective herbicides, are prepared and I-containing formulations presented. Thus, benzomorpholine derivative II was reacted at reflux in PhMe with F3CCOCH2Br, producing iminothiazoline III, m.p. 119.5°, which demonstrated herbicidal activity.

IT 174262-23-8 174262-35-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of selective iminothiazoline herbicides)

RN 174262-23-8 CAPLUS
CN Acetic acid, [[2-chloro-4-fluoro-5-[[(methylamino)thioxomethyl]amino]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 174262-35-2 CAPLUS
CN Propanoic acid, 2-[[2-chloro-4-fluoro-5-[[(methylamino)thioxomethyl]amino]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



L56 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1995:563288 CAPLUS Full-text
DOCUMENT NUMBER: 122:314542
TITLE: Preparation of 2-(benzoylimino)benzothiazoline derivatives as antagonists of fibrinogen receptor and cell adhesion factor
INVENTOR(S): Sato, Masakazu; Mannaka, Akira; Takahashi, Keiko; Kawashima, Yutaka; Hatayama, Katsuo
PATENT ASSIGNEE(S): Taisho Pharma Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07010854	A	19950113	JP 1993-150023	19930622
JP 3132241	B2	20010205		
PRIORITY APPLN. INFO.:			JP 1993-150023	19930622